

**REMARKS**

Claims 1-23 are pending in the application. Claims 1, 13, 18 and 22 are amended with this response. Applicants note with appreciation the provisional allowance of claims 15 and 16. Reconsideration of the application is respectfully requested based on the following remarks.

**I. SUMMARY OF INTERVIEW**

A telephone conference was conducted with the Examiner on Friday, February 23, 2007. The interpretation of the Bergveld et al. reference was discussed. No agreement was reached.

**II. REJECTION OF CLAIMS 1, 8-12, 17 AND 22-23 UNDER 35 U.S.C. § 102(b)**

Claims 1, 8-12, 17 and 22-23 were rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 6,298,222 (Bergveld et al.). Withdrawal of the rejection is respectfully requested for at least the following reasons.

*i. Bergveld et al. do not teach the invention of claims 1, 18 and 22.*

Applicant wishes to thank the Examiner for helping client's representative understand the manner in which the Bergveld et al. reference is being interpreted in rejecting the pending claims. It is respectfully submitted that Bergveld et al. do not teach the inventions of claims 1, 18 and 22 for at least the following reasons.

Claim 1 recites that a signal received by the antenna is provided to an output terminal of an amplification device. Further, claim 1 recites that ***the amplification device is configured to take the signal at its output, generate a converted signal in response thereto, and provide the converted signal to the supply terminal of the amplification device.***

Claim 18 recites applying a second signal to the signal output terminal of the amplification device that is received by the device. The method further comprises

***converting the applied second signal to a converted signal comprising a supply current on the supply terminal of the amplification device.***

Claim 22 recites an arrangement comprising an amplifier and an antenna. The amplifier is configured to convert a signal received at the antenna and passed to the amplifier output. The amplifier further ***provides the converted signal as a supply signal at the supply terminal thereof.*** Bergveld et al. do not teach these features.

In discussing the Bergveld et al. reference with the Examiner, it was stated that the cited art was being interpreted such that (referencing Fig. 2 of Bergveld et al.) the received signal at antenna was being directed by the receiver 11 into a feedback loop composed of the comparator 25, memory table 16, power supply 7, and RF power amp supply input 6, to ultimately arrive at the output 5 of the power amp 4. Consequently, in Bergveld et al. the supply input 6 acts as an input of the received signal from the antenna, in which the received signal is converted and provided to the RF power amp output terminal 5. It is respectfully submitted that if such an interpretation is maintained, then the second limitation of claim 1 (that the amplification device takes the signal at the output and provides a converted signal at the supply terminal in response thereto) is not met by Bergveld et al. Rather, based on the interpretation proffered by the Examiner, the RF power amp 4 of Bergveld et al. takes a signal at the supply terminal 6 and generates a converted signal at the output terminal 5. Therefore it is respectfully submitted that Bergveld et al. do not anticipate the invention of claim 1 and its respective depending claims.

Similarly, with respect to claim 18, if Bergveld et al. is being interpreted as highlighted above, then Bergveld et al. do not teach converting the second signal at the output terminal of the amplifier to a ***converted signal that comprises a supply current on the supply terminal of the amplifier*** as claimed. Therefore claim 18 and its associated depending claims are not anticipated by the cited reference.

Further, claim 22 recites that the amplifier is configured to convert the received signal and ***provide the converted signal at the output to the supply terminal*** as a supply signal. Again, as interpreted above, Bergveld et al. do not anticipate this

feature. Therefore claim 22 and its respective depending claims are patentable over the cited art. Accordingly, withdrawal of the rejection is respectfully requested.

*ii. Bergveld et al. do not teach a device coupled to the supply terminal of the amplification device that is configured to detect and demodulate the modulated supply current, as recited in claim 9.*

Claim 9 recites a device coupled to the supply terminal of the amplification device that is configured to detect and demodulate the modulated supply current that is present at the supply terminal. The cited reference does not teach this feature. While Bergveld et al. do teach a demodulator (data receiver 11), *the signal that is demodulated by the data receiver 11 is not a demodulated supply current as claimed*. Rather, the data receiver 11 demodulates received signals *from the antenna 13* (received at terminal 12). Clearly then, Bergveld et al. do not anticipate the invention of claim 9, and for similar reasons claims 11 and 12. Accordingly, withdrawal of the rejection is respectfully requested.

**III. REJECTION OF CLAIMS 2-7, 13, AND 14 UNDER 35 U.S.C. § 103(a)**

Claims 2-7 were rejected under 35 U.S.C. § 103(a) as being obvious over U.S. Patent No. 6,298,222 (Bergveld) in view of U.S. Patent No. 6,232,841 (Bartlett). Claim 13 was rejected as being obvious over Bergveld in view of U.S. Patent No. 6,094,428 (Bruckert et al.). Claim 14 was rejected as being obvious over Bergveld in view of Tanji et al. (USP 6,943,618). Withdrawal of the rejection is respectfully requested for at least the following reasons.

As stated above, Bergveld does not teach or suggest the invention of independent claim 1. Claims 2-7, 13 and 14 depend upon claim 1 respectively, and add further limitations thereto. Because the primary reference does not teach the present invention of claim 1, and Bartlett, Bruckert et al., and Tanji et al. fail to remedy the deficiencies in the primary reference, claims 2-7, 13 and 14 are also non-obvious over the cited art. Accordingly, withdrawal of the rejection is respectfully requested.

**IV. REJECTION OF CLAIMS 18 AND 21 UNDER 35 U.S.C. § 103(a)**

Claims 18 and 21 were rejected under 35 U.S.C. § 103(a) as being obvious over Bergveld et al. in view of U.S. Patent No. 3,636,461 (Sterzer). Withdrawal of the rejection is respectfully requested for at least the following reasons.

Claim 18 recites converting the second signal into a converted signal onto the supply terminal. Contrary to the assertion within the Office Action, Bergveld et al. do not teach this feature. Rather, Bergveld et al. teach comparing a power level of the amplifier output (input 23 of comparator 25) with a desired power level (input 24). Based on the comparison result, a control signal is output from a table 16 to alter a supply voltage value output at 10 from the power supply 7. (See, e.g., Fig. 2; Col. 3, lines 22-33). No conversion of the amplifier output signal is performed as claimed. Sterzer does not remedy the deficiencies in the primary reference. Therefore claims 18 and 22 are non-obvious over the cited art. Accordingly, withdrawal of the rejection is respectfully requested.

**V. CONCLUSION**

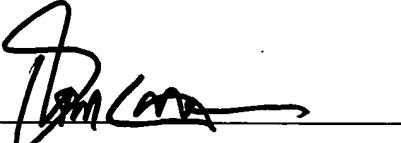
For at least the above reasons, the claims currently under consideration are believed to be in condition for allowance.

Should the Examiner feel that a telephone interview would be helpful to facilitate favorable prosecution of the above-identified application, the Examiner is invited to contact the undersigned at the telephone number provided below.

Should any fees be due as a result of the filing of this response, the Commissioner is hereby authorized to charge the Deposit Account Number 50-1733, EHFP114US.

Respectfully submitted,  
ESCHWEILER & ASSOCIATES, LLC

By



Thomas G. Eschweiler  
Reg. No. 36,981

National City Bank Building  
629 Euclid Avenue, Suite 1000  
Cleveland, Ohio 44114  
(216) 502-0600

CERTIFICATE OF MAILING

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Date February 27, 2007



Christine Gillroy